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RETURN RECEIPT REQUESTED

November 27, 2018

Mr. Terry O'Clair
Director, Division of Air Quality
North Dakota Department of Health
Division of Air Quality
918 East Divide Avenue, 2nd Floor
Bismarck, ND 58501-1947

RECEIVED

DEC 7 - 2018

Office of Enforcement, Compliance
and Environmental Justice

40 CFR §60.5420a(b) REPORTING REQUIREMENTS FOR AFFECTED FACILITIES IN NORTH DAKOTA SUBJECT TO 40 CFR §60 SUBPART OOOOa (NSPS OOOOa) ANNUAL REPORT

Dear Mr. O'Clair:

ONEOK Rockies Midstream (ORM) respectfully submits the enclosed Annual Report for Reciprocating Compressors and Fugitive Monitoring at the Galaxy Compressor Station in North Dakota. The reporting period for the included facility is through August 29, 2018. Per 40 CFR §60.5420a(b), this report is being provided within 90 days after the end of the initial compliance period which begins upon initial startup and ends no later than 1 year after the initial startup date.

If you need additional information or have any questions, please contact me at Kale.Hanner@oneok.com or 918-732-1477.

Sincerely,

(b) (6)

Kale Hanner
Environmental Supervisor

Enclosures: Annual Reports for OOOOa Affected Facilities, Monitoring Reports, R.O. Certification

xc: U.S. EPA Region 8, 1595 Wynkoop Street, Mail Code 8ENF-AT, Denver, CO 80202-1129
CERTIFIED MAIL 7017 2620 0000 5391 6434 / RETURN RECEIPT REQUESTED
V. Danzeisen/K. Rudningen/B. Danforth/C. Forsander/W. Parke Moore/R. Brown (.pdf)
Tulsa Environmental Files-Business Unit-ORM-North Dakota-OOOOa Annual Report

ONEOK Field Services Company
100 West Fifth Street
Tulsa, OK 74103
www.oneok.com

**CERTIFICATION
FOR
40 CFR §60.5420a(b) REPORTING REQUIREMENTS
FOR AFFECTED FACILITIES IN NORTH DAKOTA
SUBJECT TO 40 CFR §60 SUBPART OOOOa
ANNUAL REPORT**

ONEOK ROCKIES MIDSTREAM, L.L.C.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Name of Responsible Official (print or type): Craig A. Forsander

Title: Vice President - ORM Operations

Signature: _____

(b) (6)

Date: _____

11.27.18

100 West Fifth Street, Tulsa, OK 74103-4298

Reciprocating Compressors in ORM North Dakota Area Subject to 40 CFR Subpart 0000a

Note: Some Compressors May Not Operate 24/7

[illegible]

OOOOa Annual Report Due: 11/27/2018 End of OOOOa Reporting Period: 08/29/2018										
ONEOK Rockies Midstream, L.L.C. (ORM) P.O. Box 871, Tulsa, OK 74102-0871 100 West Fifth Street, Tulsa, OK 74103-4298										
Compressor Stations in ORM North Dakota Area Subject to Compressor Station Fugitive Monitoring per 40 CFR Subpart OOOOa Complete fugitive emissions monitoring survey is included with this summary										
Facility ID	Location	Latitude	Longitude	County	Qtrs	Section	Twnsbp	Range	Date of survey	Deviation?
ND0003	Galaxy CS	(b) (9)	(b) (9)	McKenzie	NE/4, NW/4	4	149N	96W	11/15/17, 2/27/18, 5/1/18, 8/6/18	No
ND0003	Galaxy CS	(b) (9)	(b) (9)	McKenzie	NE/4, NW/4	4	149N	96W	9/8/2017	Yes
Fugitive emissions monitoring survey is included with this summary										

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Galaxy
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	9/8/2017	OGI OPERATOR	(b) (6)
START TIME	7:38:53	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	9:50:42	YEARS EXPERIENCE	4 months
SKY CONDITIONS	Clear	MAX WIND SPEED	10
INSTRUMENT USED	GF320	AMBIENT TEMPERATURE	70

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
YES	Repairs for component tags 531, 530, 529, 528 and 526 were not completed within 30 days of leak discovery.

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
534	Connector	YES	9/27/2017 8:30	OGI
533	Connector	YES	9/8/2017 8:58	OGI
531	Pressure Relief Device	YES	11/6/2017 8:30	OGI
532	Flange	YES	9/27/2017 8:36	OGI
530	Pressure Relief Device	YES	11/6/2017 8:31	OGI
529	Pressure Relief Device	YES	11/6/2017 8:31	OGI
528	Pressure Relief Device	YES	11/6/2017 8:32	OGI
526	Pressure Relief Device	YES	11/6/2017 8:33	OGI

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
CONNECTOR	2
FLANGE	1
PRESSURE RELIEF DEVICE	5

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Galaxy
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	11/15/2017	OGI OPERATOR	(b) (6)
START TIME	7:45:16	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	10:13:09	YEARS EXPERIENCE	1 year 4 months
SKY CONDITIONS	Mostly Clear	MAX WIND SPEED	11
INSTRUMENT USED	GF320	AMBIENT TEMPERATURE	12

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
596	Valve	YES	11/29/2017	Method 21- Soap Bubbles
594	Connector	YES	11/15/2017 9:05	OGI
595	Instrument	YES	11/27/2017	Method 21- Soap Bubbles
593	Connector	YES	11/15/2017 8:33	OGI

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
VALVE	1
INSTRUMENT	1
CONNECTOR	2

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Galaxy
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	2/27/2018	OGI OPERATOR	(b) (6)
START TIME	8:27:58	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	10:29:38	YEARS EXPERIENCE	10 months
SKY CONDITIONS	Mostly Cloudy	MAX WIND SPEED	12
INSTRUMENT USED	GF320	AMBIENT TEMPERATURE	13

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
YES	New equipment

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
1123	Connector	YES	2/27/2018 14:30	OGI
1122	Valve	YES	2/27/2018 14:15	OGI
1130	Connector	YES	2/27/2018 9:38	OGI
1131	Connector	YES	2/27/2018 14:30	OGI

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
VALVE	1
CONNECTOR	3

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Galaxy
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	5/1/2018	OGI OPERATOR	(b) (6)
START TIME	9:04:35	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	11:13:13	YEARS EXPERIENCE	1 year
SKY CONDITIONS	Cloudy	MAX WIND SPEED	6
INSTRUMENT USED	GFx320	AMBIENT TEMPERATURE	43

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
1133	Connector	YES	5/1/2018 11:01	OGI
1132	Valve	YES	5/31/2018 14:02	Method 21- Soap Bubbles
1131	Connector	YES	5/1/2018 11:00	OGI
1130	Connector	YES	5/1/2018 11:00	OGI

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
VALVE	1
CONNECTOR	3

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Galaxy
FACILITY TYPE	Compressor Station

SURVEY SUMMARY REPORT

SURVEY INFORMATION			
DATE	8/6/2018	OGI OPERATOR	(b) (6)
START TIME	10:17:00	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	12:13:00	YEARS EXPERIENCE	1 year 3 months
SKY CONDITIONS	Clear	MAX WIND SPEED	8
INSTRUMENT USED	GFx320	AMBIENT TEMPERATURE	71

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
3067	Pressure Relief Device	YES	8/23/2018 14:01	OGI
3068	Thief Hatch	YES	8/23/2018 14:01	OGI
526	Pressure Relief Device	YES	8/23/2018 14:02	OGI
3069	Thief Hatch	YES	8/23/2018 14:03	OGI
529	Pressure Relief Device	YES	8/23/2018 14:03	OGI
530	Pressure Relief Device	YES	8/23/2018 14:04	OGI
1155	Thief Hatch	YES	8/23/2018 14:04	OGI
531	Pressure Relief Device	YES	8/23/2018 14:05	OGI
1156	Thief Hatch	YES	8/23/2018 14:06	OGI
1157	Compressor	YES	8/23/2018 14:05	OGI
1158	Compressor	YES	8/23/2018 14:06	OGI

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
PRESSURE RELIEF DEVICE	5
THIEF HATCH	4
COMPRESSOR	2

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT